

# ROUTE CAPACITY MAP

## BASIC ALLOWABLE UNIT WEIGHT

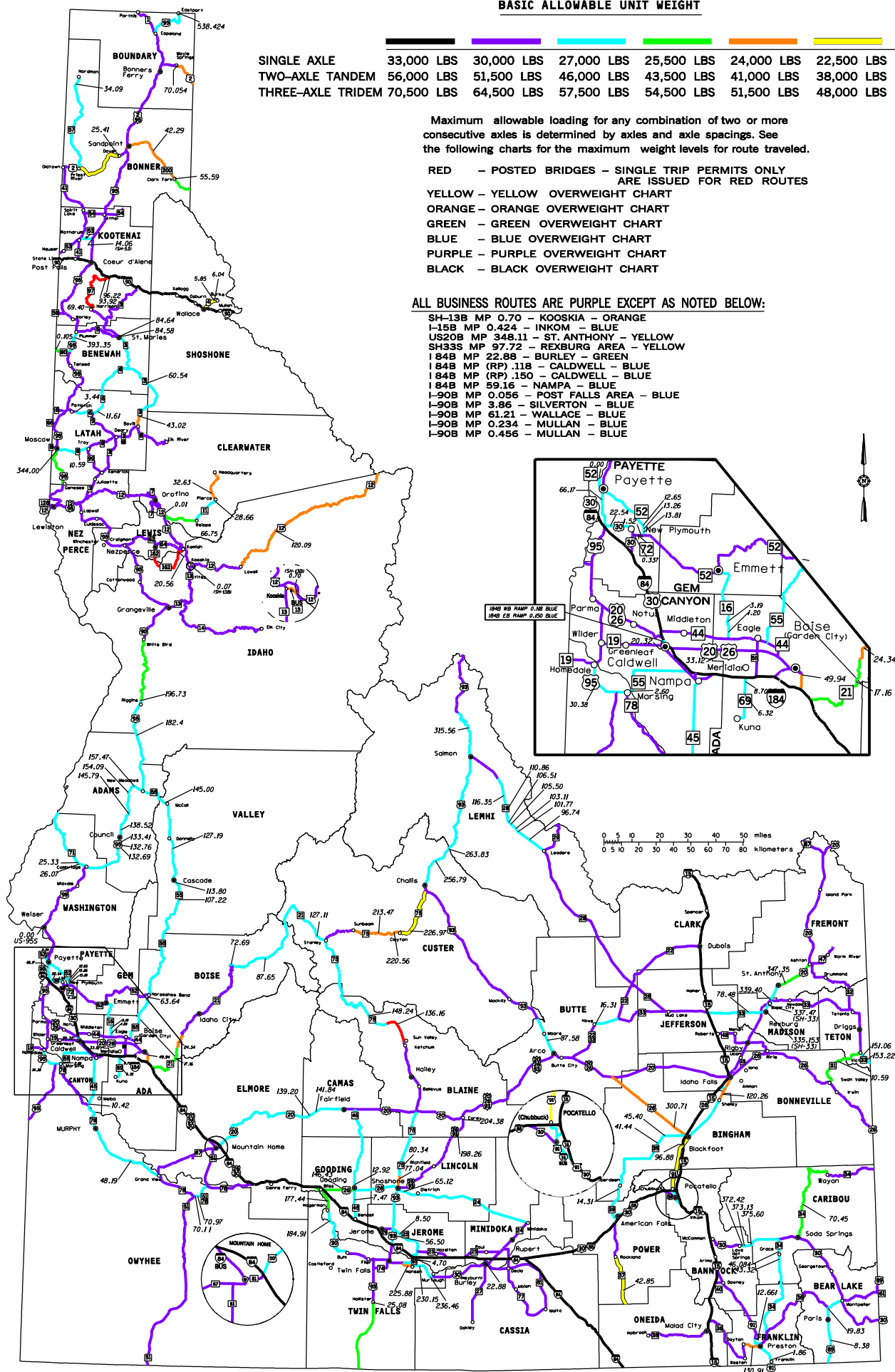
SINGLE AXLE	33,000 LBS	30,000 LBS	27,000 LBS	25,500 LBS	24,000 LBS	22,500 LBS	POSTED
TWO-AXLE TANDEM	56,000 LBS	51,500 LBS	46,000 LBS	43,500 LBS	41,000 LBS	38,000 LBS	BRIDGES
THREE-AXLE TRIDEM	70,500 LBS	64,500 LBS	57,500 LBS	54,500 LBS	51,500 LBS	48,000 LBS	

Maximum allowable loading for any combination of two or more consecutive axles is determined by axles and axle spacings. See the following charts for the maximum weight levels for route traveled.

- RED - POSTED BRIDGES - SINGLE TRIP PERMITS ONLY ARE ISSUED FOR RED ROUTES
- YELLOW - YELLOW OVERWEIGHT CHART
- ORANGE - ORANGE OVERWEIGHT CHART
- GREEN - GREEN OVERWEIGHT CHART
- BLUE - BLUE OVERWEIGHT CHART
- PURPLE - PURPLE OVERWEIGHT CHART
- BLACK - BLACK OVERWEIGHT CHART

## ALL BUSINESS ROUTES ARE PURPLE EXCEPT AS NOTED BELOW:

- SH-13B MP 0.70 - KOOSKIA - ORANGE
- I-15B MP 0.424 - INKOM - BLUE
- US20B MP 348.11 - ST. ANTHONY - YELLOW
- SH33S MP 97.72 - REXBURG AREA - YELLOW
- I 84B MP 22.88 - BURLEY - GREEN
- I 84B MP (RP) .118 - CALDWELL - BLUE
- I 84B MP (RP) .150 - CALDWELL - BLUE
- I 84B MP 59.16 - NAMPA - BLUE
- I-90B MP 0.056 - POST FALLS AREA - BLUE
- I-90B MP 3.86 - SILVERTON - BLUE
- I-90B MP 61.21 - WALLACE - BLUE
- I-90B MP 0.234 - MULLAN - BLUE
- I-90B MP 0.456 - MULLAN - BLUE



### 13.1 GENERAL REQUIREMENTS

### OVERWEIGHT PERMITS

**Registration.** Any vehicle hauling or towing non-reducible loads subject to registration, is not required to register for the maximum legal weight it can haul to be eligible for an overweight permit. Farm tractors, road rollers, and road machines that are exempt from registration are not exempt from legal weight limitations.

**Overweight Permit Requirements.** Overweight permits will be issued for vehicles and/or loads that exceed legal axle weights and/or 80,000 pounds, and are non-reducible only, with the weight reduced to a practical minimum.

**Axle Requirements.** Vehicles hauling overweight loads will be required to have five (5) or more axles to qualify for an overweight permit. Self-propelled vocational vehicles or vehicles towing overweight loads may have less than five (5) axles to qualify for an overweight permit.

**Variable Load Suspension Axle Requirements.** Any vehicle which is equipped with variable load suspension axles (lift axles) shall have all lift axles fully deployed when remaining axles exceed legal axle weights.

### 19.2 GENERAL PROVISIONS

### ANNUAL PERMITS

Annual overlegal permits may be issued for continuous operation to haul or transport non-reducible loads having specified maximum dimensions of oversize or overweight provided such permits for multiple trips can maintain the same measure of protection to highway facilities and to the traveling public as is provided by single trip permits.

The maximum overweight levels shall not exceed eight hundred (800) pounds per inch width of tire nor the maximum weights authorized by Chapter 13.

Annual overweight permits shall become invalid subject to the conditions of Chapter 23.

#### Annual Oversize Only:

b. Maximum size of loads or vehicles for black and interstate routes, shall be limited to a width of fourteen (14) feet six (6) inches (manufactured homes, modular buildings, and office trailers limited as per Chapter 17), a height of fifteen (15) feet six (6) inches, and to a combination length of one hundred ten (110) feet including load overhang. Annual oversize permits for red coded routes shall be limited to a width of twelve (12) feet six (6) inches. A current Pilot/Escort Vehicle and Travel Time Requirements Map shall accompany such permits for extended operations and shall be considered to be a part of the permit.

#### Annual Overweight/Oversize Permits:

- a. Annual permits may not be issued for gross weights in excess of 200,000 lbs for any colored route. Gross weights in excess of 200,000 pounds must operate by single trip permit.
- b. Since the new fees are based on the number of axles and gross weight to calculate the fee per mile, annual overweight permits will have to be issued to various combinations. (i.e. different number of axles and gross weight for those axles. You will no longer be able to operate less axles than the number stated on the permit, because the fee per mile (using less axles) would be greater than the fee per mile for the higher number of axles and gross weight.

The number of axles in the vehicle configuration may be greater than the number of axles listed on the permit as long as the gross weight listed on the permit is not exceeded.

The gross weight of the vehicle configuration may be less than the gross weight stated for each colored route, but the fee per mile will be based on and reported at the stated gross weight for each colored route on the permit (i.e. black, purple, blue, green orange & yellow) and the number of axles.

To comply with Section 49-436, Idaho Code, the permittee will make quarterly reports of mileage to the department at the permitted weight levels separate from the registered weight mileage otherwise required to be reported to that agency. Mileage for single trip overweight permits is charged for and collected at the time of issuance, and need not be reported elsewhere.

Vehicles or loads exceeding the axle weights, groups of axle weights, or total gross weights allowed on any of the six overweight levels below must operate by single trip permit only.

Annual permits involving overweight loadings will be available at the following levels:

**Red Routes** — The red routes contain posted bridges and require approval or analysis from the Department. A vehicle configuration may be issued an annual overweight/oversize permit for travel on red routes, upon completion of an analysis verifying the requested weights are acceptable. The annual permit will be issued for a specific vehicle configuration, operating on a specific route, at specific weights. All information will be listed on the annual permit and will be subject to revocation at such time the vehicle configuration changes (such as axle spacings), the approved weights change, or a bridge rating changes.

**Yellow Routes** — The yellow overweight level is based on a single axle loading of twenty-two thousand five hundred (22,500) pounds, a tandem axle loading of thirty-eight thousand (38,000) pounds, and a tridem axle loading of forty-eight thousand (48,000) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 560 ((LN/N-1) + 12N + 36)$ .

**Orange Routes** — Orange overweight level is based on a single axle loading of twenty-four thousand (24,000) pounds, a tandem axle loading of forty-one thousand (41,000) pounds, and a tridem axle loading of fifty-one thousand (51,500) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 600 ((LN/N-1) + 12N + 36)$ .

**Green Routes** — The green overweight level is based on a single axle loading of twenty-five thousand five hundred (25,500) pounds, a tandem axle loading of forty-three thousand five hundred (43,500) pounds and a tridem axle loading of fifty-four thousand five hundred (54,500) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 640 ((LN/N-1) + 12N + 36)$ .

**Blue Routes** — Blue overweight level is based on a single axle loading of twenty-seven thousand (27,000) pounds, a tandem axle loading of forty-six thousand (46,000) pounds, and a tridem axle loading of seventy thousand five hundred (70,500) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 675 ((LN/N-1) + 12N + 36)$ .

**Purple Routes** — The purple overweight level is based on a single axle loading of twenty-eight thousand five hundred (30,000) pounds, a tandem axle loading of forty-eight thousand five hundred (51,500) pounds, and a tridem axle loading of sixty-one thousand (64,500) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 715 ((LN/N-1) + 12N + 36)$ .

**Black Routes** — The black overweight level is based on a single axle loading of thirty-three thousand (33,000) pounds, a tandem axle loading of fifty-six thousand (56,000) pounds, and a tridem axle loading of seventy thousand five hundred (70,500) pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula  $W = 825 ((LN/N-1) + 12N + 36)$ .

### 19.3 Weight Formula

"W" is the maximum weight in pounds (to the nearest five hundred (500) pounds) carried on any group of two (2) or more consecutive axles. "L" is the distance in feet between the extremes of any group of two (2) or more consecutive axles, "N" is the number of axles under consideration and "F" is the load factor most appropriate based on the most critical bridge on the highway route.